KINGSVILLE DOME URANIUM MINE AREA DATA AND ANALYSIS
(A Work in Progress)

May 06, 2013 QUESTIONS

EPA, Region 6
Dallas, Texas

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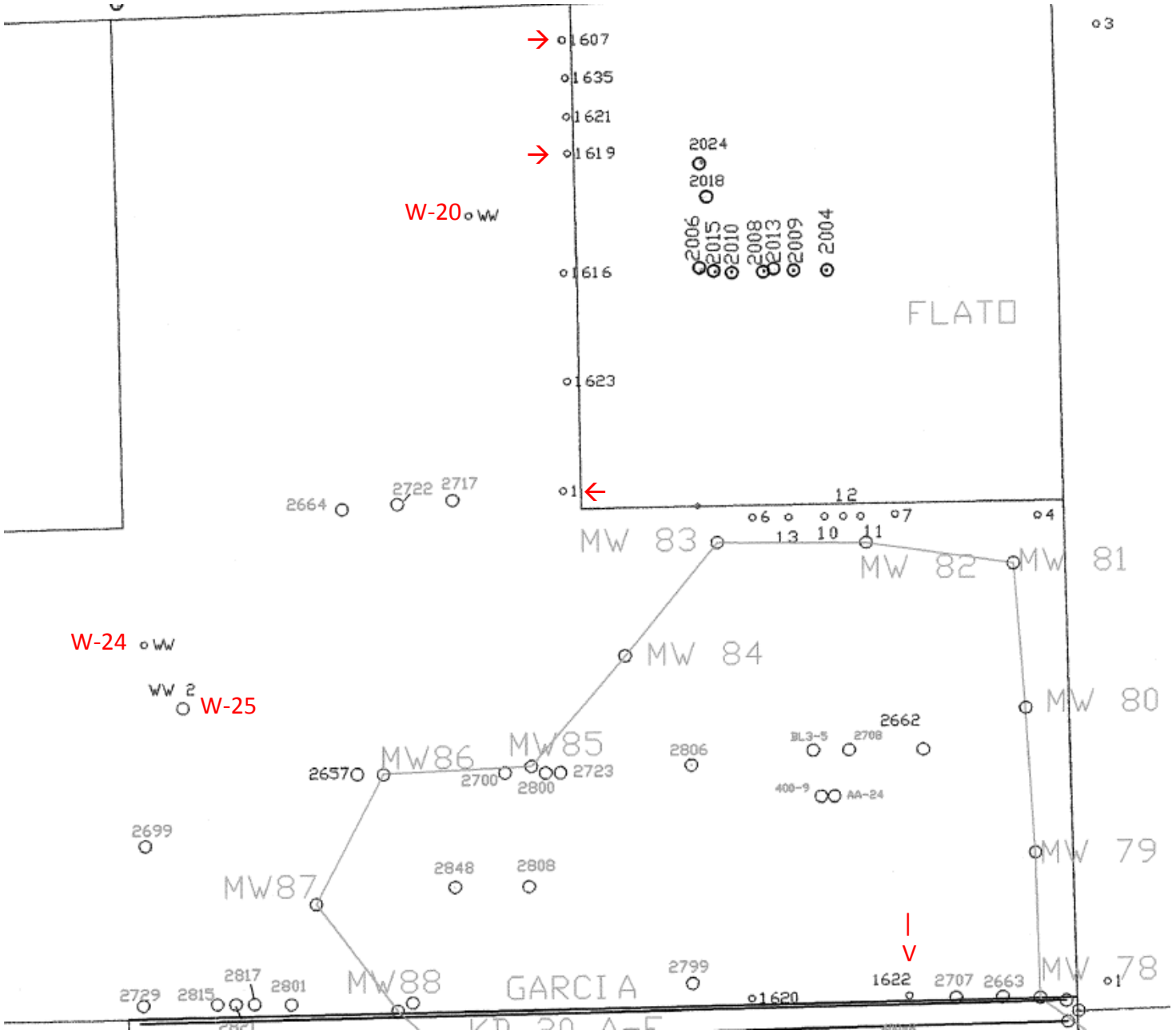
Petroleum Engineer
Chemical Engineer

Questions on Log Scales and Nomenclature

EPA, Region 6
Dallas, Texas



Shown KVD Exploratory Wells' Locations Relative to Garcia Hill W-20's Location

Fermin Garza (4/30/09)

OWNER: FERMIN GARZ			
CLAY	0	8	8
BROKEN SAND	8	38	30
CLAY	38	90	52
BROKEN SAND	90	94	4
CLAY	94	390	296
SANDY CLAY	390	406	16
CLAY	406	430	24
BROKEN SAND	430	441	11
CLAY	441	479	38
SAND	479	486	7
CLAY	486	531	45
SAND	531	537	6
CLAY	537	550	13
SAND	550	595	45

TD

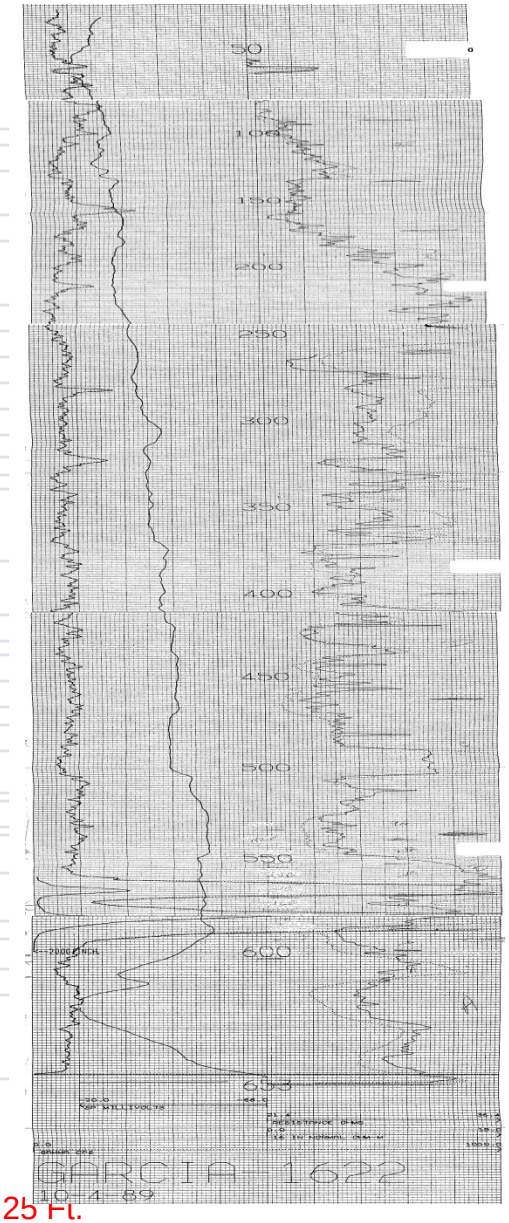
Garcia 1622 (10/04/89)

	80	90	10	
SAND	90	134	44	E
SHALE	134	171	37	
	171	258		D
	258	272	14	
	272	301	29	D
	301	314	13	
	314	323	9	D
	323	329	6	
	329	373	44	D
	373	405	32	
	405	423	18	D
	423	431	8	
	431	441	10	D
	441	468	27	
SAND	468	507	39	C
SAND	510	528	18	C
SHALE	528	547	19	
SAND	547	570	23	B
SHALE	570	577	7	
SAND	577	591	14	
SHALE	591	600	9	
SAND	600	653	53	A

?

Sand?

TD



The Fermin Garza Well is completed in the “B Sand”

There is a difference in elevation between the F. Garza Well and Garcia 1622 of about 25 Ft.

CLAY	35	91	56
SAND	91	108	17
CLAY	108	171	63
SAND	171	186	15
CLAY	186	233	47
SAND	233	241	8
Clay	241	439	198
Sand	439	451	12
Clay	451	506	55
Sand	506	517	11
Clay+Red Shale	517	575	58
Red Snd+Strks Sh	575	601	26
Red Shale	601	609	8
Red Sand	609	631	22

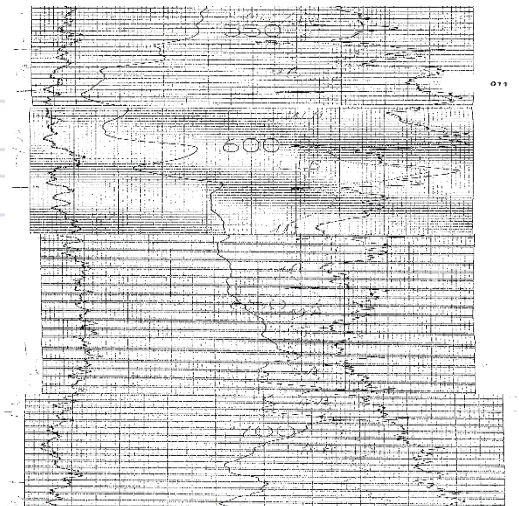
Heberto Garcia Well - W-25

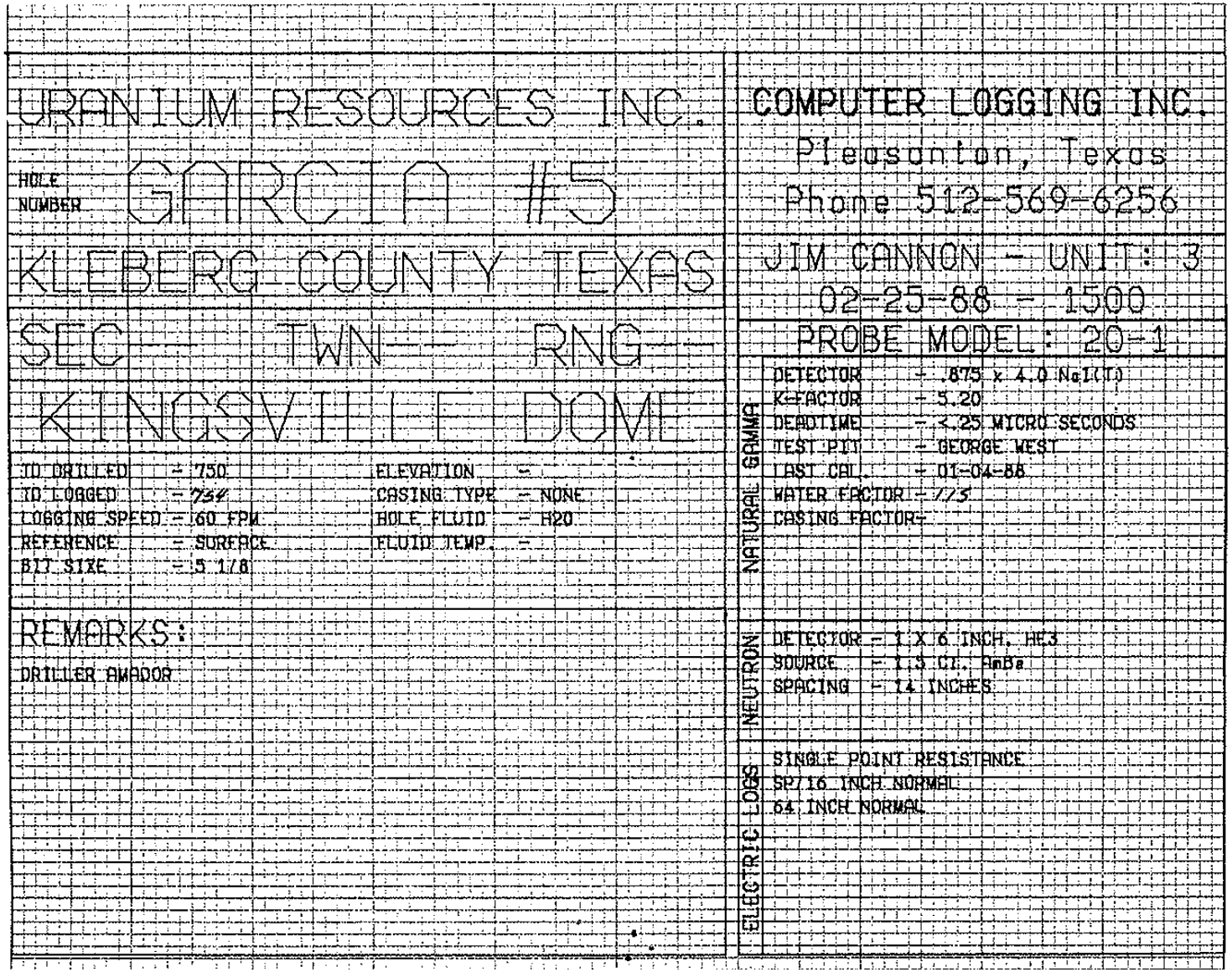
The Garcia 5 Well penetrated the “B”, “A” and “AA” Sands, which do not appear to contain uranium ore at this location. It is located approximately 1146 Ft from the Garcia Hill W-25 and 860 Ft from the Garcia Hill W-24.

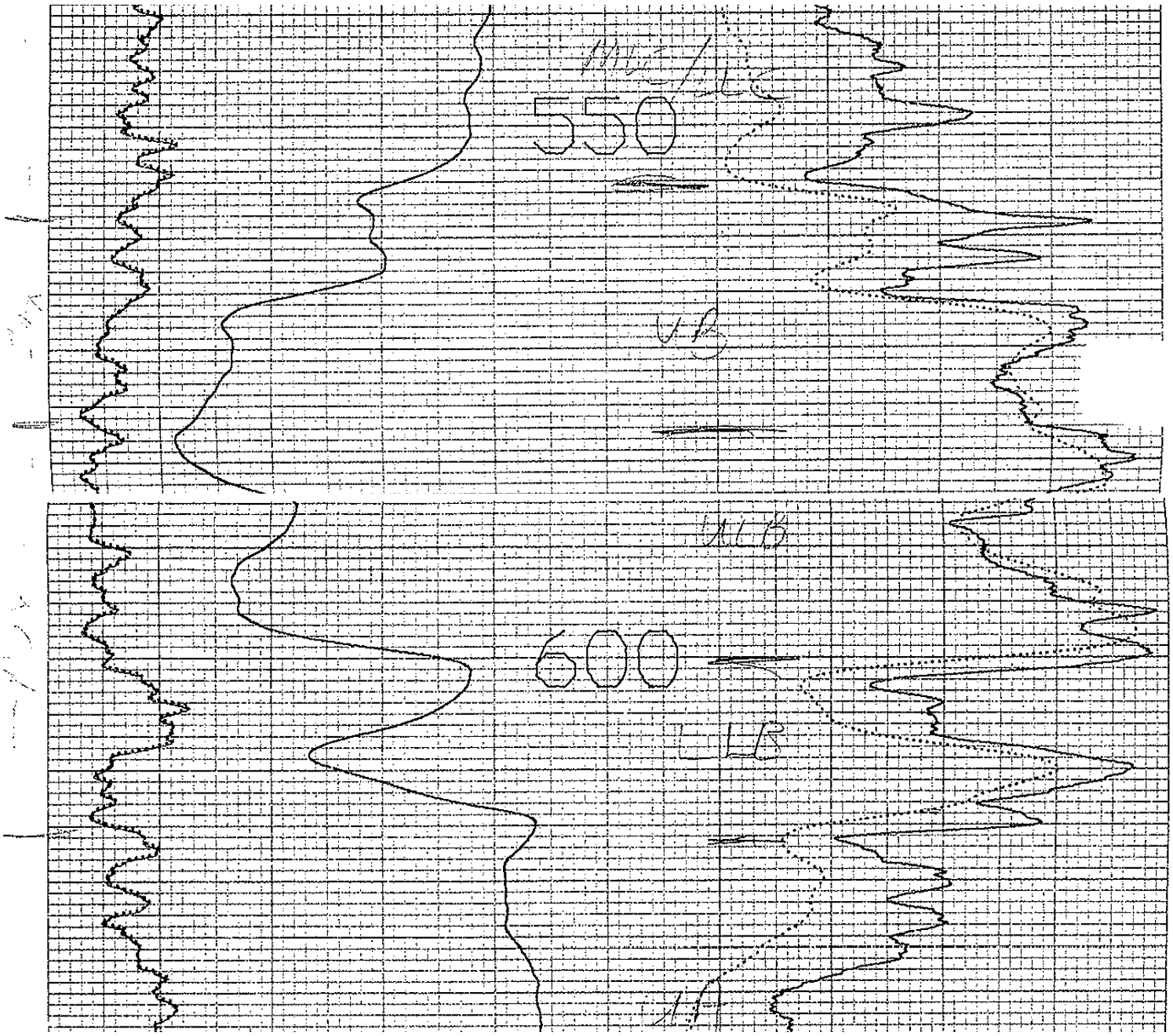
The Garcia Hill W-25 well is completed in the “B Sand” and the Garcia Hill W-24 appears to have gone down to the “AA Sand”, per analogy with the Exploratory Garcia 5 Well Log.

How probable is it that the W-24 and W-25 Garcia Hill Wells may have penetrated uranium ore bodies?. No logs are currently available for these wells.

Exploratory Well – Garcia 5




URANIUM RESOURCES INC.
HOLE NUMBER GARCIA #5
KLEBERG COUNTY TEXAS
SEC - TWN - RNG -
KINGSVILLE DOME
TD DRILLED = 750
TD LOGGED = 734
LOGGING SPEED = 60 FPM
REFERENCE = SURFACE
BIT SIZE = 5 1/8
ELEVATION =
CASING TYPE = NONE
HOLE FLUID = H20
FLUID TEMP =
REMARKS:
DRILLER AMADOR
COMPUTER LOGGING INC.
Pleasanton, Texas
Phone 512-569-6256
JIM CANNON - UNIT: 3
02-25-88 - 1500
PROBE MODEL: 20-1
ELECTRIC LOGS
NATURAL GAMMA
DETECTOR = .875 x 4.0 NaI(Tl)
K-FACTOR = 5.20
DEADTIME = <.25 MICRO SECONDS
TEST PIT = GEORGE WEST
LAST CAL. = 01-04-88
WATER FACTOR = 775
CASING FACTOR=
NEUTRON
DETECTOR = 1 X 6 INCH, HE3
SOURCE = 1.5 CI. AmBe
SPACING = 14 INCHES
SINGLE POINT RESISTANCE
SP/16 INCH NORMAL
64 INCH NORMAL



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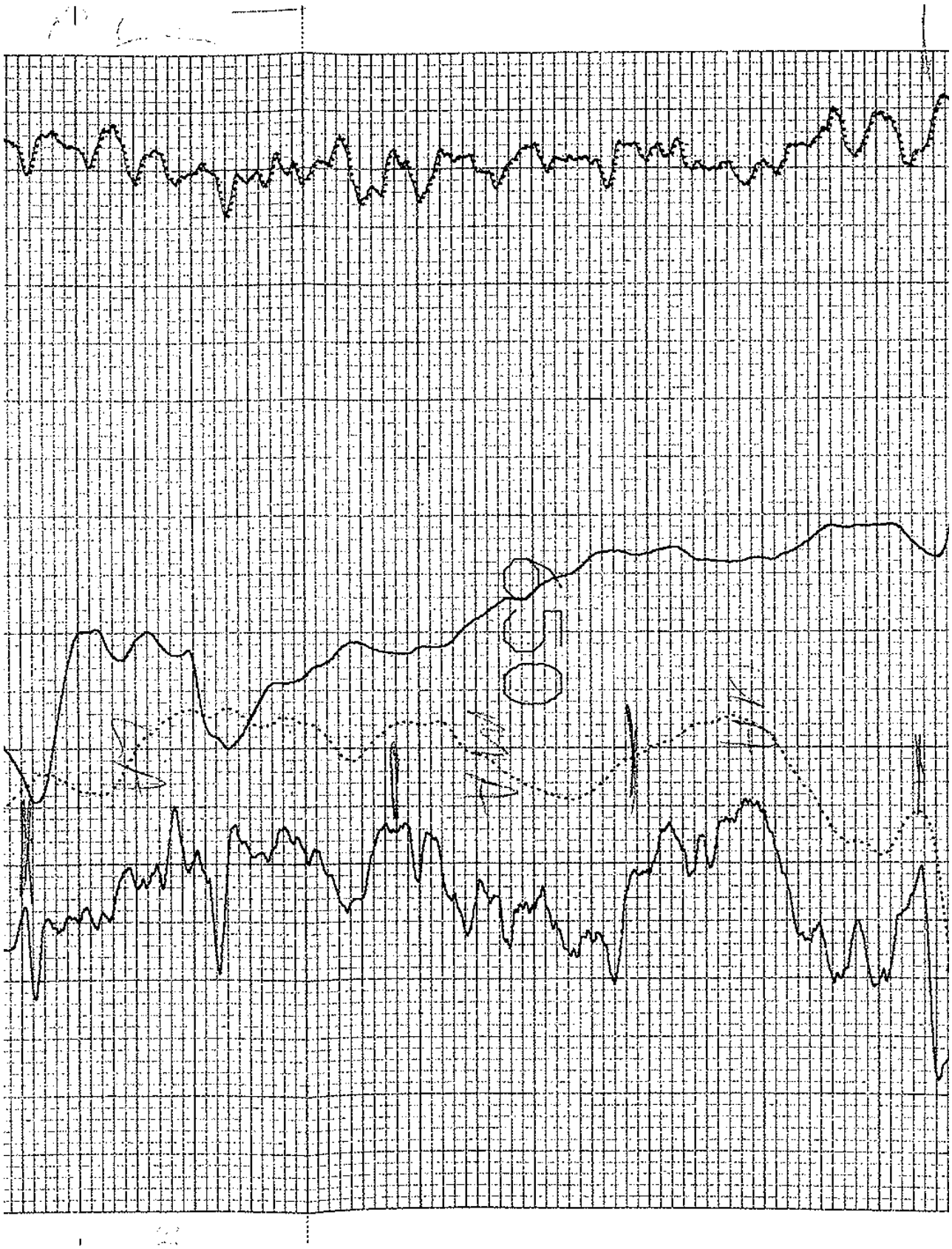


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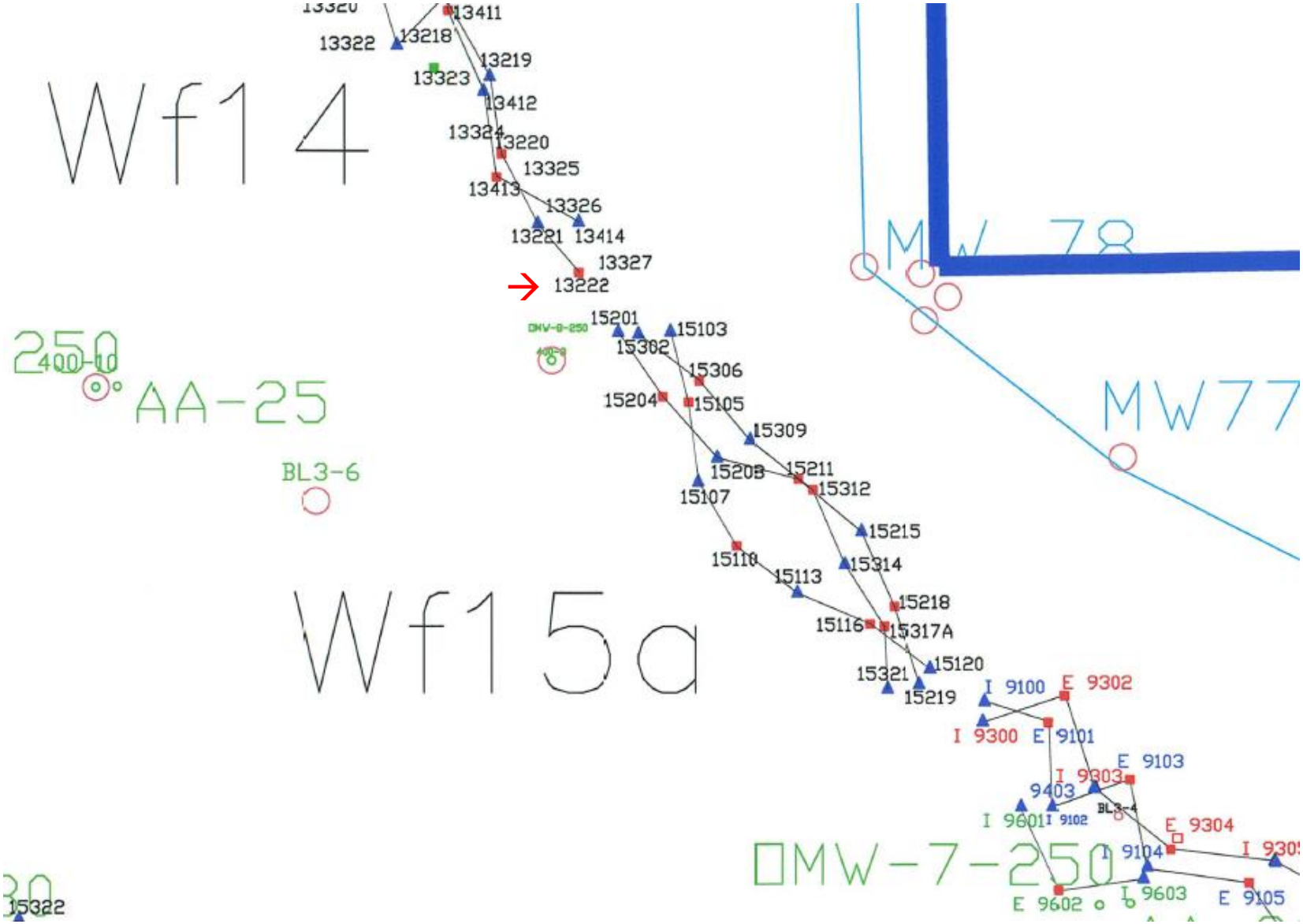

KVD PA-3 Segment. Was Exploratory Well Garcia 1622 Completed as a "B Sand" (?) Producer 13222?.
Note that Injector 13326 is not connected to 13222 suggesting completion in different zones.
Is there information documenting Which Sands were produced at PA-3?

SOAH Docket No. 582-05-1552
TCEQ Docket Nos. 1997-1063-UIC and 2004-0746-UIC

Application of URI, Inc.	§	**Before the State Office**
to TCEQ for Issuance of a Production	§	
Area Authorization for Production	§	**of Administrative Hearings**
Area 3 Under Permit URO 2827	§	
	§	
and	§	
	§	
Renewal of TCEQ Waste Disposal Well	§	
Permit Nos. WDW-247 and WDW-248	§	

PREFILED TESTIMONY ←

OF

ROBERT S. KIER, Ph.D. ←

Filed on Behalf of South Texas Opposes Pollution (STOP)
and Hermila Garcia

On Page 6:

Q. Turning first to what is missing in the application, can you elaborate on what is missing?

Fourth, Attachment C, Designated Monitor Well and Baseline Well Table, in the Draft PAA prepared by the TNRCC, dated August 22, 2002, lists all the production zone monitoring wells (labeled Mine Area), Overlying 250' Sand and 400' Sand monitoring wells, Underlying Sand monitoring wells, Baseline wells, and a set of unlabeled wells that simply have numerical designations, but which are probably 16 of the 35 new baseline monitoring wells installed. As indicated in the TCEQ guidance for preparing a PAA application, completion reports for all these wells are to be included as an attachment to the application, along with information on mechanical integrity testing.

35 New Baseline "Monitoring" Wells Were added. Are these the same as "Baseline Wells"?. →

When were they installed?... Where?